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(54) Title: METHOD AND COMPOSITION FOR USING STABILIZED BETA-CAROTENE AS CETANE IMPROVER IN HYDROCARBONACEOUS DIESEL FUELS

(57) Abstract: A diesel fuel additive is provided that includes beta-carotene stabilized with 2,2,4-trimethyl-6-ethoxy-1,2-dihydroquinoline. The additive may be added to any liquid hydrocarbon fuel, solid hydrocarbon fuel, or other hydrocarbonaceous combustible fuel to reduce emissions of undesired components during combustion of the fuel, provide improved fuel economy, engine cleanliness, and/or performance. A method for preparing the additive is also provided.

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